

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms				
Type of Material	Fine aggregate (M sand)	Proposed Use	PCC		
Sample Location	14th cross, Hegdenagar 2nd main	Date of Sampling	23-07-2020		
		Date of Testing	24-07-2020		
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
75.00 mm	0	0	0	100.00	100
75 mm	226	226	7.53	92.47	90 - 100
75 mm	305	531	17.70	82.30	75 - 100
75 mm	412	943	31.43	68.57	55 - 90
75 mm	492	1435	47.83	52.17	35 - 59
75 mm	742	2177	72.57	27.43	8-30
75 mm	636	2813	93.77	6.23	0 - 10
75 mm	187	3000			-

Remarks :

✓ Satisfactory / Not Satisfactory

Note:

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Handwritten Signature
A.E.E. (Project)

Handwritten Signature
Authorised Signatory

Test Report on Cement

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No..
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	23.07.2020
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	110 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	464 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	CONCRETE	
Sample Location	15th cross, Hegdenagar 2nd main		Date of Sampling	26-07-2020	
			Date of Testing	27-07-2020	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	538	538	5.38	94.62	90-100
10.0	4622	5160	51.60	48.40	40-85
4.75	4552	9712	97.12	2.88	0-10
Pan	288	10000			

Remarks :  Satisfactory / Not Satisfactory

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)		Proposed Use	concrete	
Location/Source	15th cross, Hegdenagar 2nd main		Date of Sampling	26-07-2020	
Period of Soaking	24 hours		Date of Testing	27-07-2020	
Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	650	670	662	
B	Weight of oven - dry sample gm.	642	662	653	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1684	1696	1692	
E	Bulk specific gravity $\frac{B}{(C + A - D)}$	2.664	2.659	2.665	2.663
G	Absorption (%) $\frac{(A - B) * 100}{B}$	1.246	1.208	1.378	1.278

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Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms				
Type of material	Fine aggregate M sand)		Proposed Use	concrete	
Sample Location	15th cross, Hegdenagar 2nd main		Date of Sampling	27-07-2020	
			Date of Testing	28-07-2020	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	212	212	7.07	92.93	90 - 100
2.36 mm	308	520	17.33	82.67	75 - 100
1.18 mm	426	946	31.53	68.47	55 - 90
0.600 mm	482	1428	47.60	52.40	35 -59
300 mm	712	2140	71.33	28.67	8-30
0.150 mm	632	2772	92.40	7.60	0 - 10
Pan	228	3000			-

Remarks :

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[Signature]

TEJUS CONSULTANTS
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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	20 mm down size		Proposed Use	Concrete	
Sample Location	15th cross, Hegdenagar 2nd main		Date of Sampling	26-07-2020	
			Date of Testing	27-07-2020	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	266	266	2.66	97.34	95 - 100
10.00 mm	4836	5102	51.02	48.98	25 - 55
4.75 mm	4224	9326	93.26	6.74	0 - 10
Pan	674	10000			

Remarks :

Satisfactory / Not Satisfactory

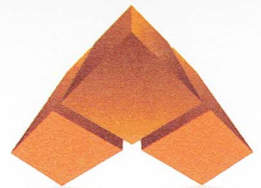
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A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory



TEJUS
CONSULTANTS

Test Report on Compressive Strength of Concrete Cubes

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.							
Client	Bruhat Bangalore Mahanagar Palike							
Consultant	TEJUS CONSULTANTS							
Contractor	Sri. P Hemanth (SOORYA CREATERS)							
Grade of concrete:	M30							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sample Location	15th cross, Hegdenagar 2nd main @ ch.85.00m							
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	27-07-2020	23-08-2020	28 days	8.582	22500	678	30.13	30.28
2	27-07-2020	23-08-2020	28 days	8.762	22500	680	30.22	
3	27-07-2020	23-08-2020	28 days	8.560	22500	686	30.49	
Remarks : Satisfactory / Not Satisfactory								

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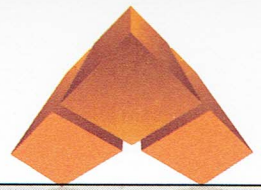
[Signature]

Consultant's Representative



TEJUS CONSULTANTS

No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com



Test Report on Compressive Strength of Concrete Cubes

TEJUS
CONSULTANTS

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	15th cross, Hegdenagar 2nd main @ ch.85.00m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	27-07-2020	2-08-2020	7 days	8.822	22500	439	19.51	19.51
2	27-07-2020	2-08-2020	7 days	8.865	22500	438	19.47	
3	27-07-2020	2-08-2020	7 days	8.722	22500	440	19.56	

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 A.E.G. (Project)	 Consultant's Representative
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TEJUS CONSULTANTS

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Consultants	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	CONCRETE	
Sample Location	15th cross, Hegdenagar 2nd main		Date of Sampling	27-07-2020	
			Date of Testing	28-07-2020	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	520	520	5.20	94.80	90-100
10.0	4496	5016	50.16	49.84	40-85
4.75	4542	9558	95.58	4.42	0-10
Pan	442	10000			

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Authorised Signatory

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Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)		Proposed Use	concrete	
Location/Source	15th cross, Hegdenagar 2nd main		Date of Sampling	27-07-2020	
Period of Soaking	24 hours		Date of Testing	28-07-2020	
Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	648	678	658	
B	Weight of oven - dry sample gm.	641	670	648	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1682	1701	1690	
E	Bulk specific gravity $\frac{B}{(C + A - D)}$	2.660	2.659	2.667	2.662
G	Absorption (%) $\frac{(A - B) * 100}{B}$	1.092	1.194	1.543	1.276

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(Signature)
A.E.E. (Project)

(Signature)
Authorised Signatory

(Signature)

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Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	20 mm down size		Proposed Use	Concrete	
Sample Location	15th cross, Hegdenagar 2nd main		Date of Sampling	27-07-2020	
			Date of Testing	28-07-2020	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	266	266	2.66	97.34	95 - 100
10.00 mm	4836	5102	51.02	48.98	25 - 55
4.75 mm	4228	9330	93.30	6.70	0 - 10
Pan	670	10000			

Remarks :

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Test Report on Cement

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	27-07-2020
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	106Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	480 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

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Test Report on Cement

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	28-07-2020
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	110 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	482 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	25 % to 35

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Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000	gms			
Type of Material	Fine aggregate M sand)		Proposed Use	concrete	
Sample Location	15th cross, Hegdenagar 2nd main		Date of Sampling	28-07-2020	
			Date of Testing	29-07-2020	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
75.00 mm	0	0	0	100.00	100
4.75 mm	206	206	6.87	93.13	90 - 100
2.36 mm	308	514	17.13	82.87	75 - 100
1.18 mm	412	926	30.87	69.13	55 - 90
0.600 mm	486	1412	47.07	52.93	35 -59
0.300 mm	762	2174	72.47	27.53	8-30
0.150 mm	640	2814	93.80	6.20	0 - 10
75µm	186	3000			-

Remarks :

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Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	CONCRETE	
Sample Location	Temple road,Hegdenagar 2nd main		Date of Sampling	28-07-2020	
			Date of Testing	29-07-2020	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	518	518	5.18	94.82	90-100
10.0	4632	5150	51.50	48.50	40-85
4.75	4532	9682	96.82	3.18	0-10
Pan	318	10000			

Remarks :

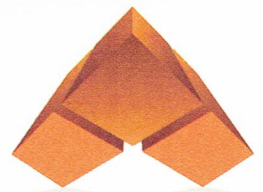
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Authorised Signatory



TEJUS
CONSULTANTS

Test Report on Compressive Strength of Concrete Cubes

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.							
Client	Bruhat Bangalore Mahanagar Palike							
Consultant	TEJUS CONSULTANTS							
Contractor	Sri. P Hemanth (SOORYA CREATERS)							
Grade of concrete:	M30							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sample Location	15th cross, Hegdenagar 2nd main @ ch.160.00m							
SL.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	28-07-2020	24-08-2020	28 days	8.486	22500	692	30.76	30.70
2	28-07-2020	24-08-2020	28 days	8.324	22500	694	30.84	
3	28-07-2020	24-08-2020	28 days	8.422	22500	686	30.49	
Remarks : ☒ Satisfactory / ☐ Not Satisfactory								

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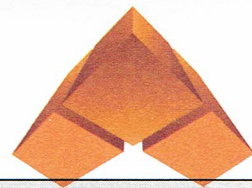
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Consultant's Representative



TEJUS CONSULTANTS

No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com



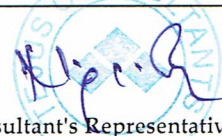
Test Report on Compressive Strength of Concrete Cubes

TEJUS

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.							
Client	Bruhat Bangalore Mahanagar Palike							
Consultant	TEJUS CONSULTANTS							
Contractor	Sri. P Hemanth (SOORYA CREATERS)							
Grade of concrete:	M30							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sample Location	15th cross, Hegdenagar 2nd main @ ch.160.00m							
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	28-07-2020	03-08-2020	7 days	8.224	22500	440	19.56	19.53
2	28-07-2020	03-08-2020	7 days	8.326	22500	436	19.38	
3	28-07-2020	03-08-2020	7 days	8.432	22500	442	19.64	
Remarks : ☒ Satisfactory / ☐ Not Satisfactory								

Note:

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3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.


Consultant's Representative


A.E.E. (Project)





TEJUS CONSULTANTS

No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)		Proposed Use	concrete	
Location/Source	Temple road,Hegdenagar 2nd main		Date of Sampling	28-07-2020	
Period of Soaking	24 hours		Date of Testing	29-07-2020	
Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	648	672	654	
B	Weight of oven - dry sample gm.	639	663	645	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1682	1698	1686	
E	Bulk specific gravity $\frac{B}{(C + A - D)}$	2.651	2.663	2.654	2.656
G	Absorption (%) $\frac{(A - B) * 100}{B}$	1.408	1.357	1.395	1.387

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A.E.E. (Project)

[Signature]

[Signature]
Authorised Signatory

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	20 mm down size		Proposed Use	Concrete	
Sample Location	Temple road,Hegdenagar 2nd main		Date of Sampling	28-07-2020	
			Date of Testing	29-07-2020	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	256	256	2.56	97.44	95 - 100
10.00 mm	4842	5098	50.98	49.02	25 - 55
4.75 mm	4236	9334	93.34	6.66	0 - 10
Pan	666	10000			

Remarks :

☒ Satisfactory / ☐ Not Satisfactory

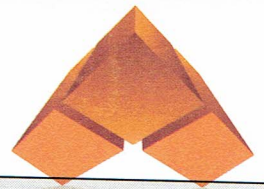
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A.E.E. (Project)


Authorised Signatory





Test Report on Compressive Strength of Concrete Cubes

TEJUS
CONSULTANTS

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.							
Client	Bruhat Bangalore Mahanagar Palike							
Consultant	TEJUS CONSULTANTS							
Contractor	Sri. P Hemanth (SOORYA CREATERS)							
Grade of concrete:	M30							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sample Location	Temple road,Hegdenagar 2nd main @ ch.45.00m							
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	29-07-2020	04-08-2020	7 days	8.742	22500	438	19.47	19.64
2	29-07-2020	04-08-2020	7 days	8.652	22500	442	19.64	
3	29-07-2020	04-08-2020	7 days	8.548	22500	446	19.82	
Remarks : ☒ Satisfactory / ☐ Not Satisfactory								

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A.E.E. (Project)

Consultant's Representative



[Signature]



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